

CLAIMS

IN THE CLAIMS

1. (Cancelled).
2. (Cancelled).
3. (Cancelled).
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33. (Cancelled).

34. (Previously Amended) The method of Claim 108, wherein said particulate tape is substantially continuous in the form of a ribbon or sheet.

35. (Previously Amended) The method of Claim 108, wherein said single component is generally dielectric.

36. (Previously Amended) The method of Claim 35, wherein said single component includes at least one material selected from the group consisting of magnesia, alumina, silica, titania, zirconia, barium oxide, lead oxide, bismuth oxide, and a combination of the above materials.

37. (Previously Amended) The method of Claim 108, wherein said single component is formed in a pattern corresponding to a patterned deposition electrode located on the surface of said carrier.

38. (Previously Amended) The method of Claim 37, wherein said single component is generally conductive.

39. (Previously Amended) The method of Claim 38, wherein said component includes at least one material selected from the group consisting of aluminum, silver, copper, nickel, palladium, gold, and a combination of the above materials.

40. (Cancelled).

41. (Cancelled).

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43. (Cancelled).

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57. (Cancelled).

58. (Cancelled).

59. (Currently Amended) A method for producing a particulate
tape, comprising the steps of:

providing a carrier which includes an electrically conductive area on at least one surface of said carrier, wherein said electrically conductive area is a part of said carrier;

electrophoretically depositing a particulate material onto said conductive area to form a component of said particulate tape; and

removing said component from said conductive area of said carrier.

60. (Previously Amended) The method of Claim 59, wherein said electrically conductive area forms a pattern on the surface of the carrier.

61. (Previously Amended) The method of Claim 60, further comprising the steps of:

providing a second patterned electrically conductive area on the carrier which is electrically isolated from said first patterned electrically conductive area; and

electrophoretically depositing a second component onto at least one of said first or second patterned electrically conductive areas.

62. (Previously Presented) The method of Claim 59, further comprising the step of:

laminating said electrophoretically formed component to another surface prior to removal from said carrier.

63. (Currently Amended) An apparatus for forming a particulate tape, comprising:

a carrier having an electrically conductive area on at least one surface, wherein said electrically conductive area is a part of said carrier, and

an electrophoretic deposition bath, wherein a component of a particulate tape may be formed by electrophoretically depositing a particulate material on said conductive surface in said bath; and

a means for removing said component from said conductive area of said carrier.

64. (Previously Presented) The apparatus of Claim 63, wherein said carrier is a ribbon.

65. (Previously Presented) The apparatus of Claim 63, wherein said carrier is a belt.

66. (Previously Presented) The apparatus of Claim 63, wherein said carrier is a drum.

67. (Previously Presented) The apparatus of Claim 63, wherein said carrier is a sheet.

68. (Previously Presented) The apparatus of Claim 63, wherein said carrier is a plate.

69. (Cancelled).

70. (Cancelled).

71. (Cancelled).

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94. (Cancelled).

95. (Cancelled).

96. (Cancelled).

97. (Previously Presented) The method of Claim 59, further comprising the step of:

before said removing step, applying a binder to said electrophoretically deposited component.

98. (Previously Presented) The method of Claim 97, wherein said binder is dissolved in a bath used for said electrophoretic deposition and remains in the deposited component after removal from said carrier.

99. (Previously Presented) The method of Claim 97, wherein said binder is sprayed onto said deposited component before said removing step.

100 – 107. (Cancelled).

108. (Currently Amended) A method of forming a single component particulate tape, comprising the steps of:

providing a carrier which includes an electrically conductive area on at least one surface of said carrier, wherein said electrically conductive area is a part of said carrier;

electrophoretically depositing a particulate material onto said conductive area to form said single component of said particulate tape; and

removing said particulate tape from said conductive area of said
carrier.